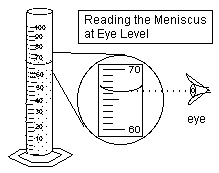
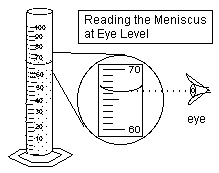
Metric Measurement Stations

1. Measure the length of each object using the metric ruler. Record your measurement to the nearest tenth of a millimeter.



1. Measure the volume of water in each graduated cylinder. Be sure to read the number at the bottom of the meniscus.
2. Measure the volume of the box. Measure the length, width and height to the nearest millimeter. Record measurements on your sheet. Multiple length x width x height to calculate volume. Record in the appropriate place on your chart.
3. Measure the volume of the marble. Use the water displacement method.
   1. Pour some water into the graduated cylinder.
   2. Record the water level to the nearest tenth of a millimeter (read at the bottom of the meniscus).
   3. Tilt the graduated cylinder slightly and gently let the marble roll to the bottom of the graduated cylinder.
   4. Record the water level again.
   5. Subtract the first measurement from the second to calculate the volume of the marble.
4. Measure the mass of each object to the nearest tenth of a gram.

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Metric Measurement Lab Data Sheet**

Be sure to record the units associated with each of your measurements!

**Station 1**

|  |  |
| --- | --- |
| **Object** | **Length** |
| Black expo marker |  |
| Blue marker |  |
| Pencil |  |

**Station 2**

|  |  |
| --- | --- |
| **Graduated Cylinder** | **Volume** |
| #1  smallest |  |
| #2  medium-sized |  |
| #3  largest |  |

**Station 3**

|  |  |
| --- | --- |
| **Dimension** | **Measurement** |
| Length |  |
| Width |  |
| Height |  |
| Volume |  |

**Station 4**

|  |  |
| --- | --- |
| **Measurement** | **Volume** |
| Initial water level |  |
| Water level after adding marble |  |
| Volume of marble (subtract second measurement from the first |  |

**Station 5**

|  |  |
| --- | --- |
| **Object** | **Mass** |
| Stopper |  |
| Beaker |  |